

FIG. 1

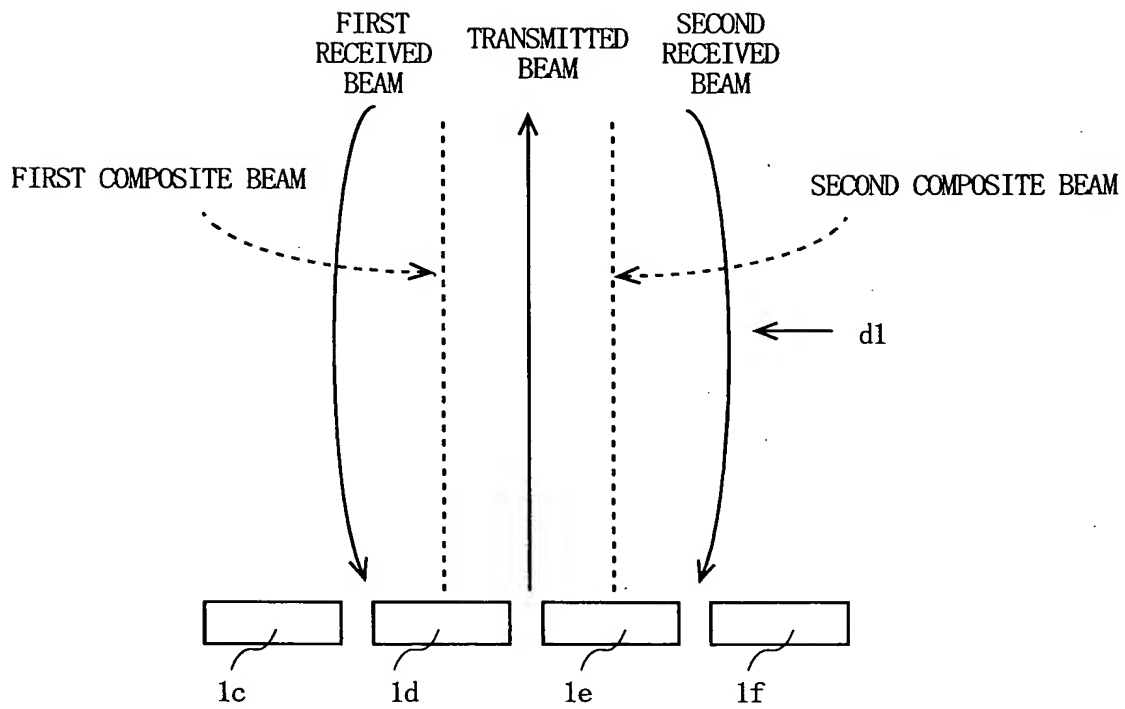


FIG. 2

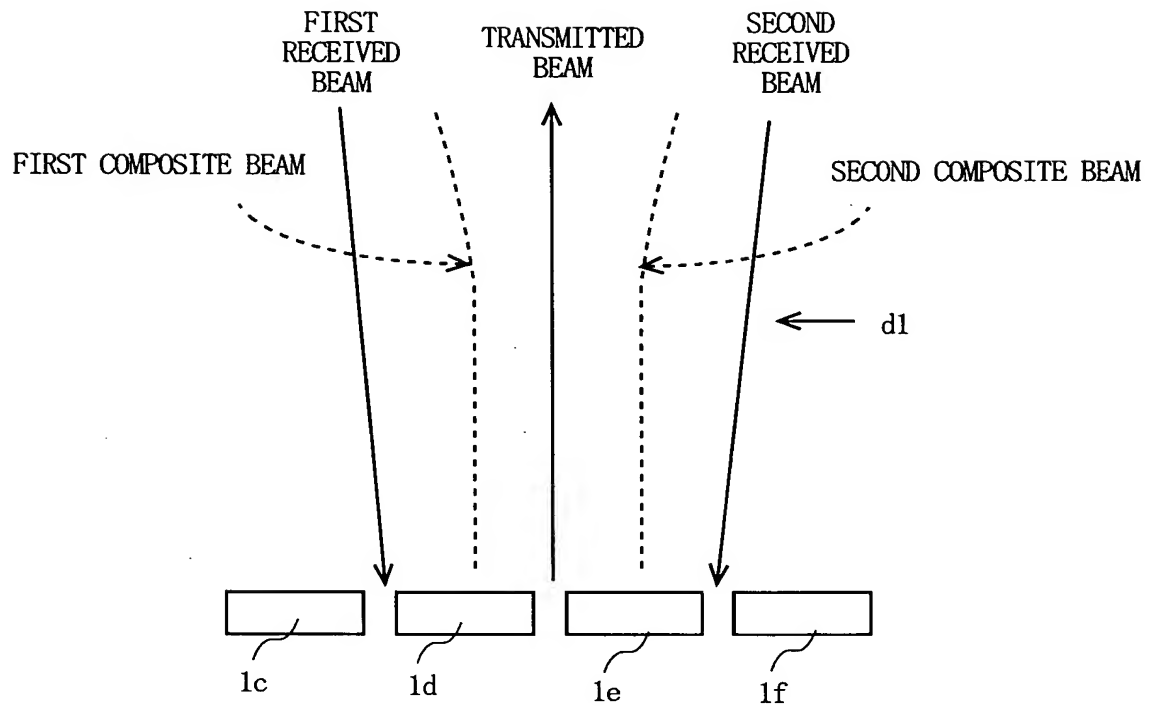


FIG. 3

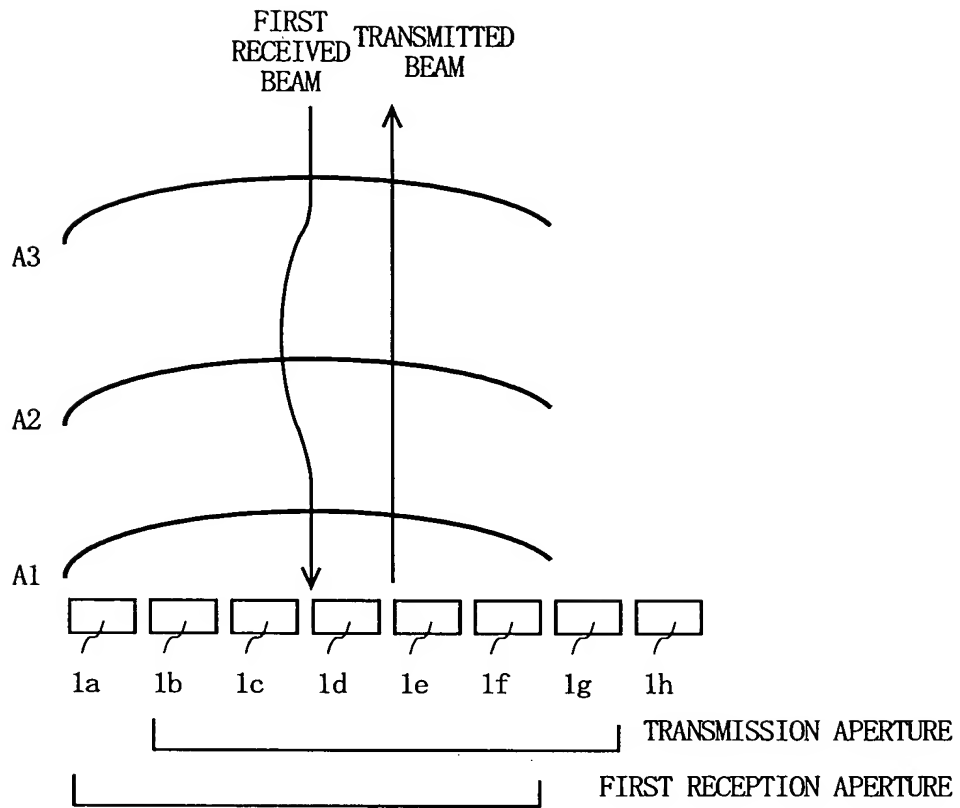


FIG. 4A

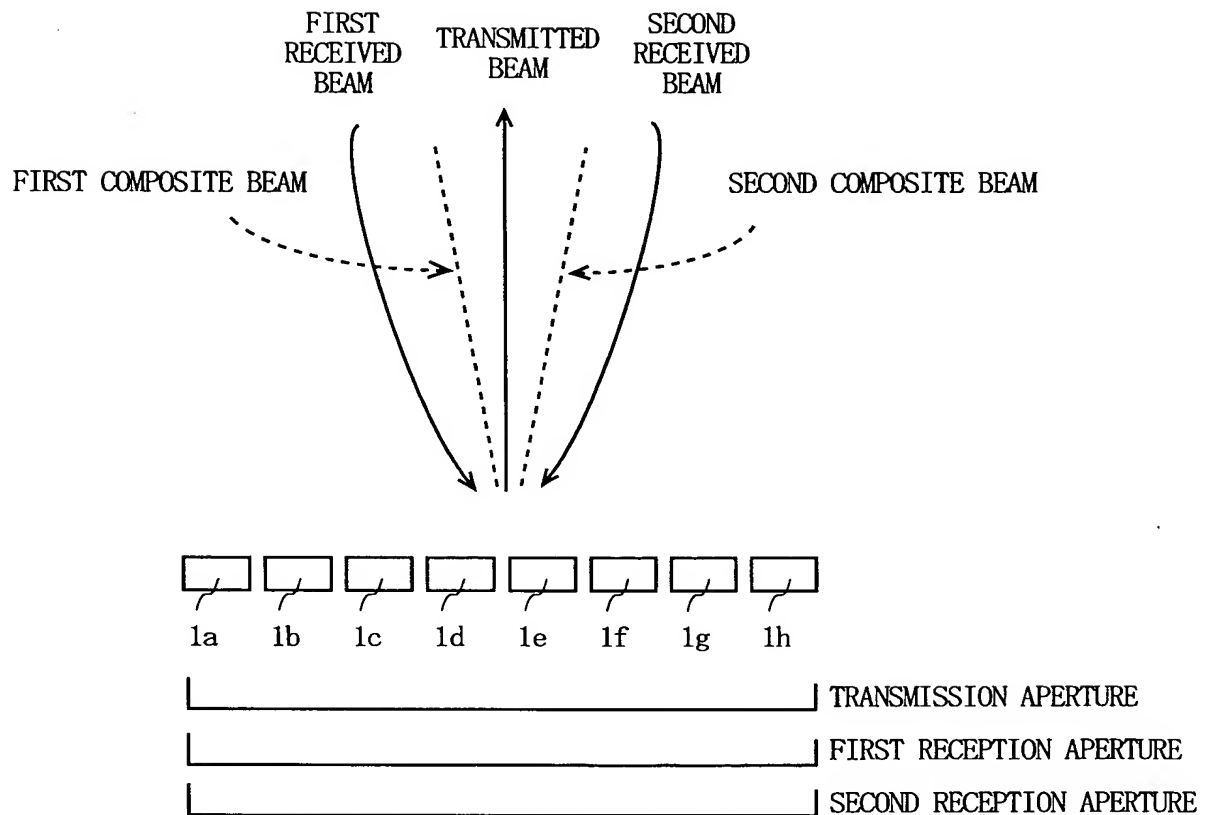


FIG. 4B

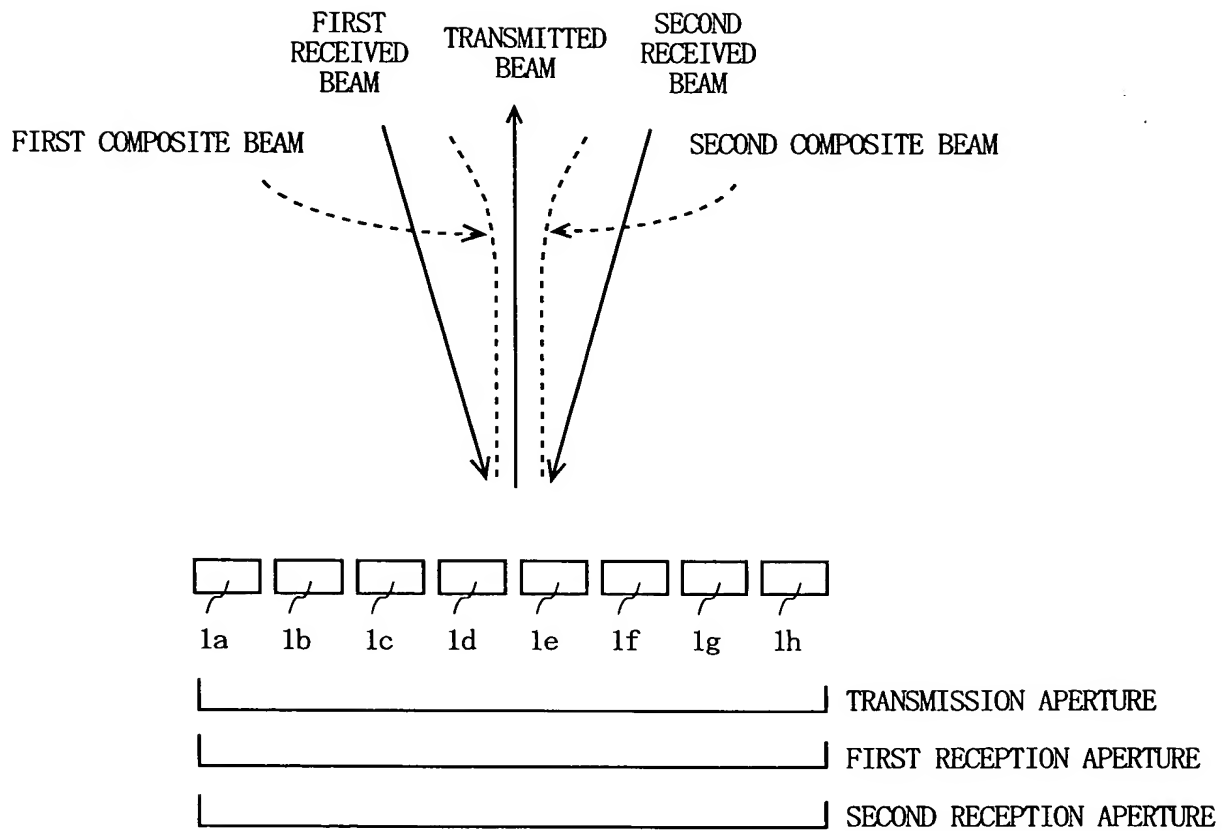


FIG. 5A

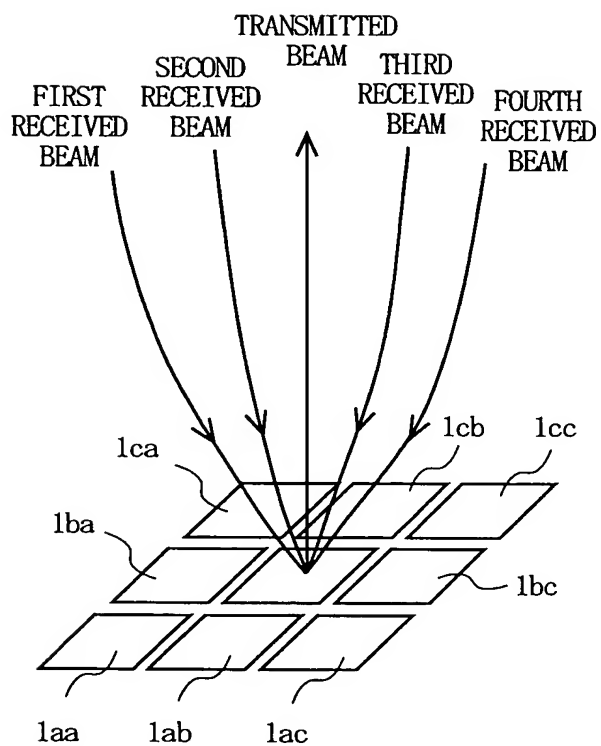


FIG. 5B

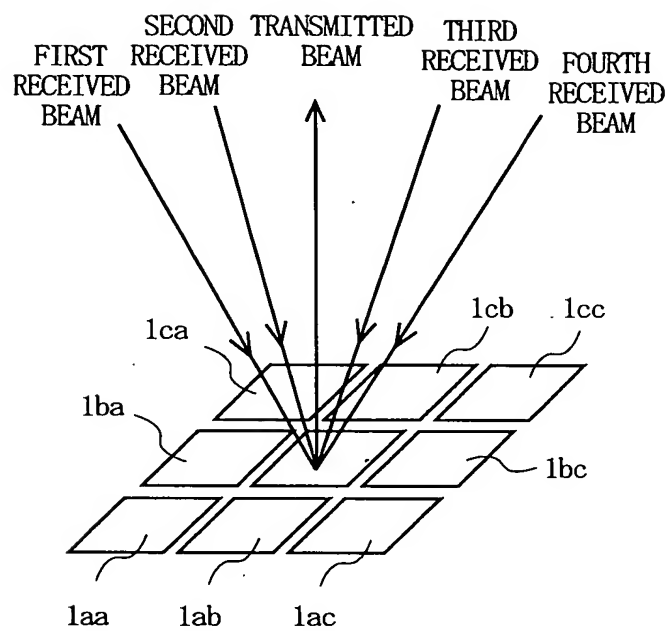


FIG. 6

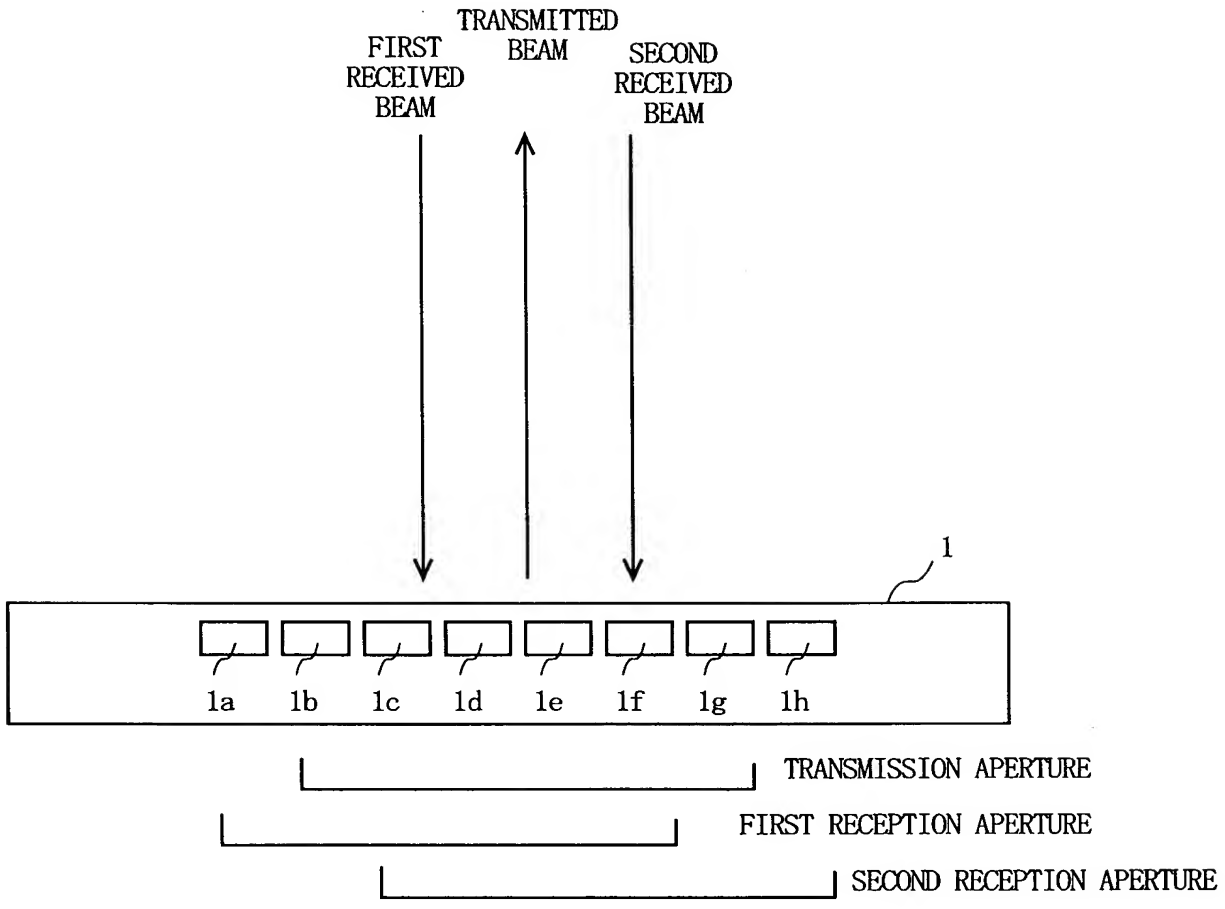




FIG. 7A

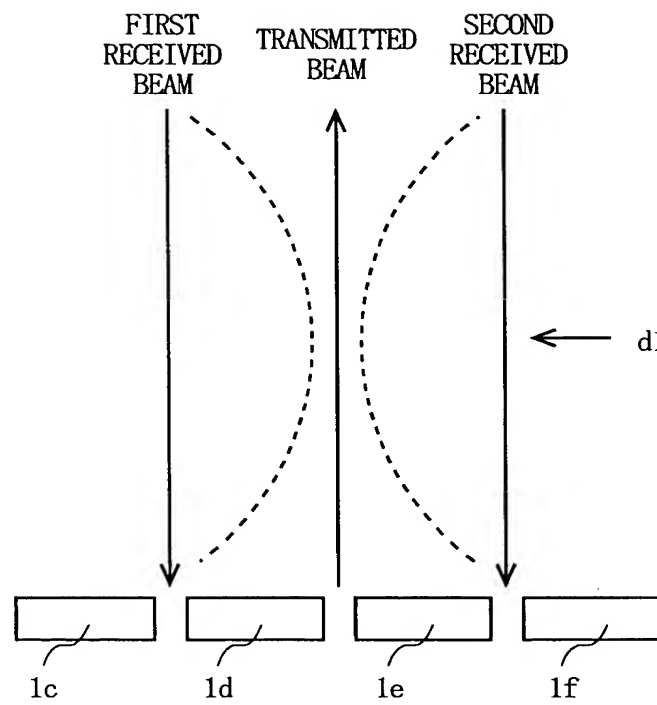


FIG. 7B

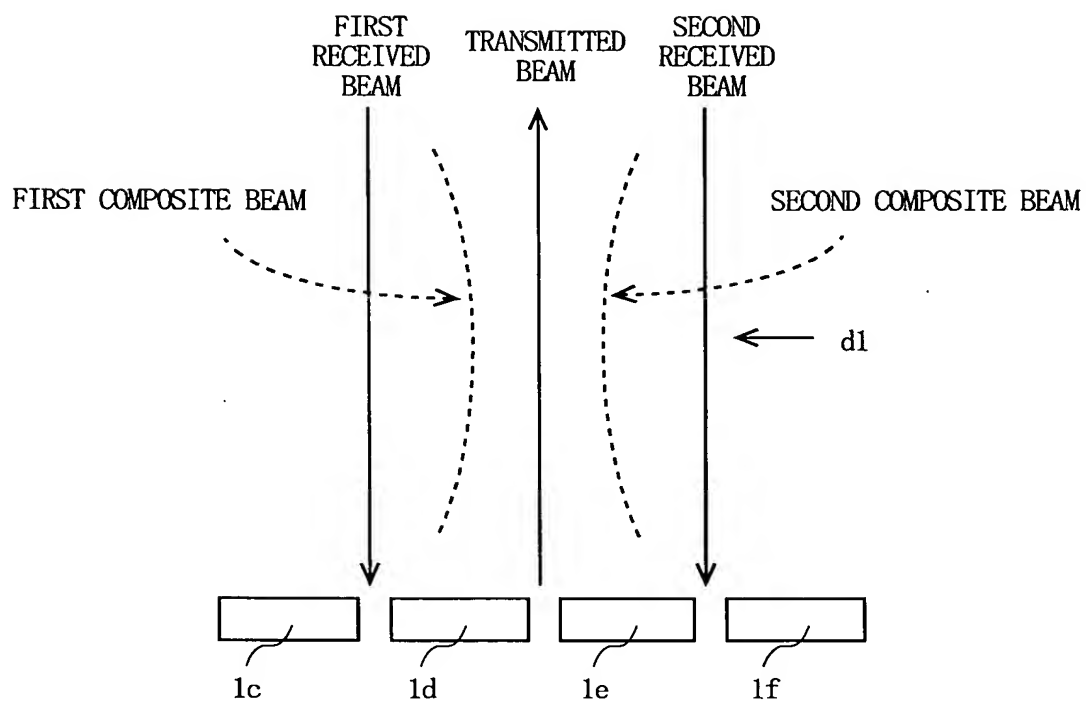


FIG. 8

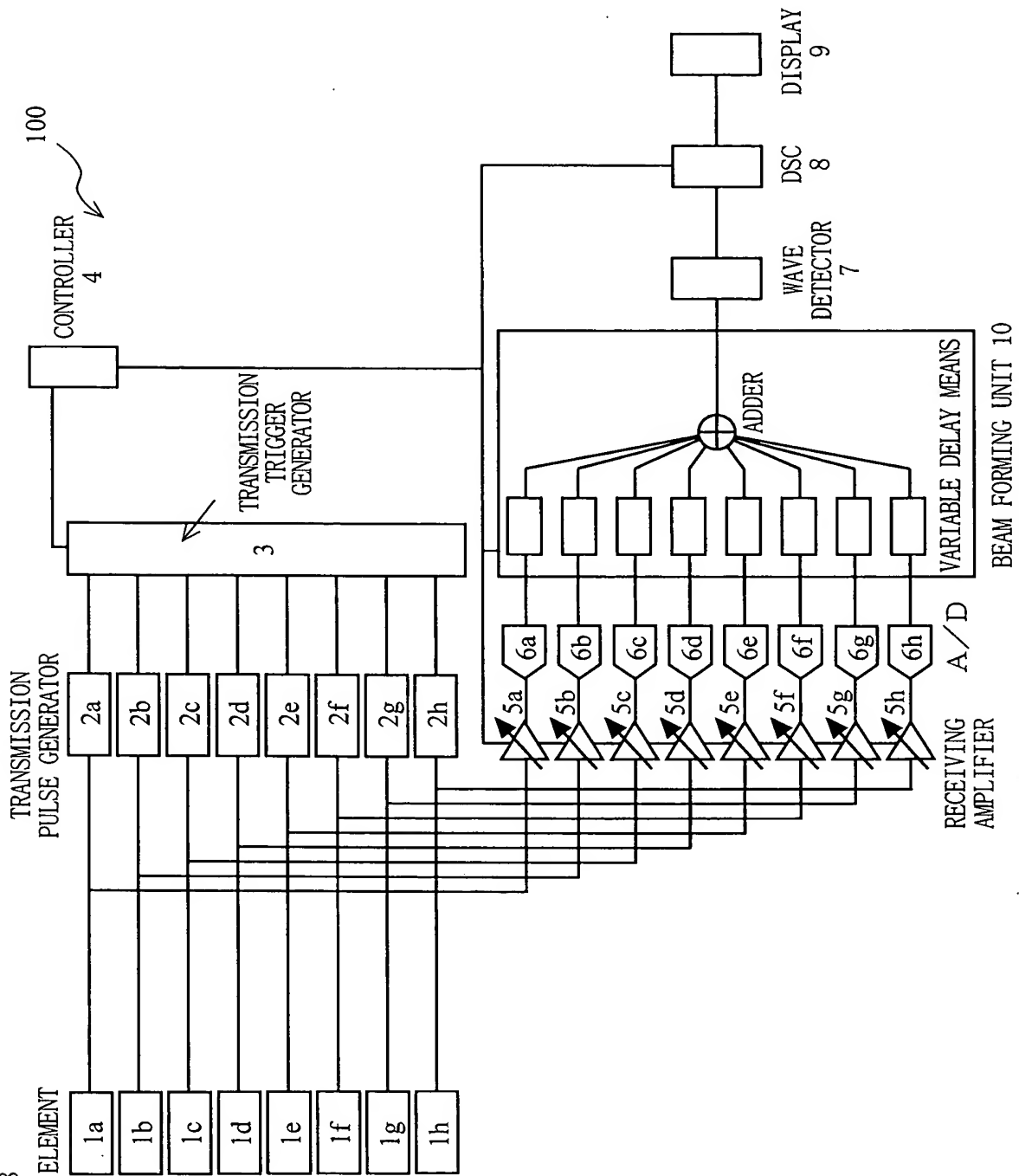
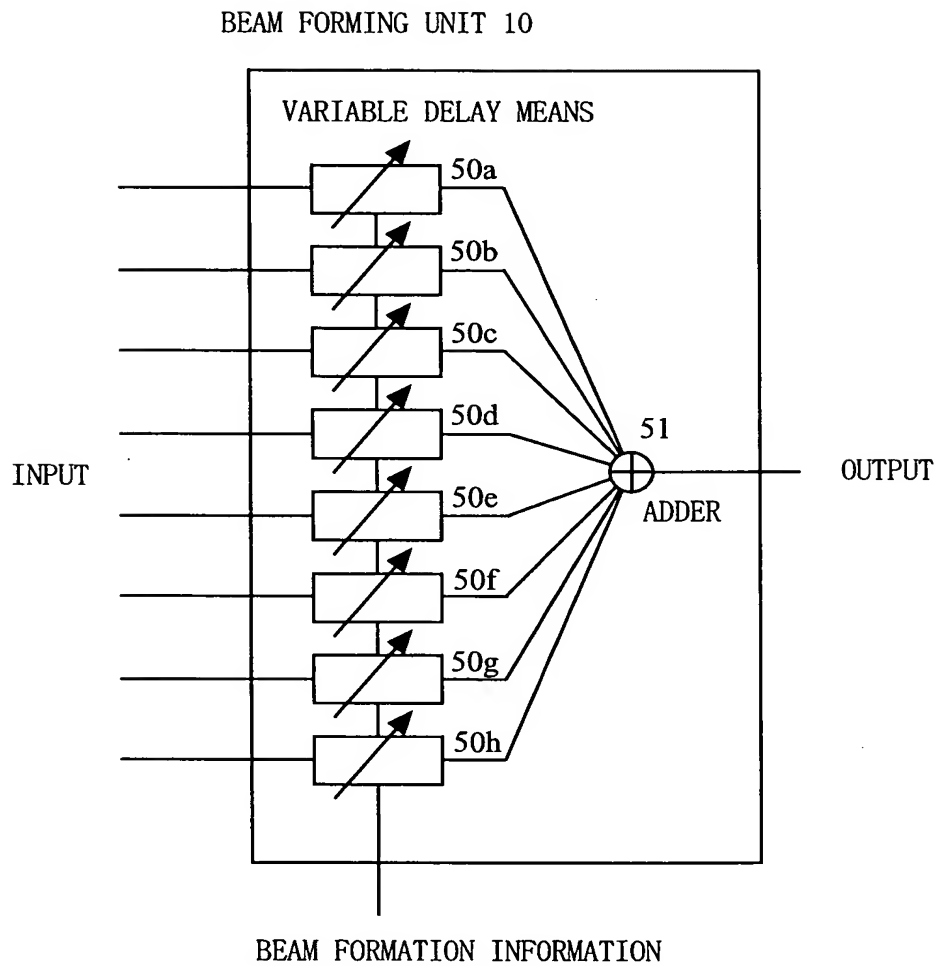


FIG. 9



The diagram illustrates a beam forming system 200. It features a TRANSMISSION PULSE GENERATOR and a TRANSMISSION TRIGGER GENERATOR, both connected to a CONTROLLER 4. The TRANSMISSION PULSE GENERATOR is connected to a grid of elements 1a through 1p and 2a through 2h. The TRANSMISSION TRIGGER GENERATOR is connected to a grid of elements 11a through 11h. The BEAM FORMING UNIT 10 includes an ADDER, WAVE DETECTOR 7, DSC 8, and DISPLAY 9. The RECEIVING AMPLIFIER and A/D are also connected to the system. The diagram shows a complex interconnection of these components, with a grid of elements 1a through 1p and 2a through 2h, and a grid of elements 11a through 11h.